

High-Speed Services for Internet Access: Status as of December 31, 2005

Industry Analysis and Technology Division
Wireline Competition Bureau
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Congress directed the Commission and the states, in section 706 of the Telecommunications Act of 1996, to encourage deployment of advanced telecommunications capability in the United States on a reasonable and timely basis.¹ To assist in its evaluation of such deployment, the Commission instituted a formal data collection program (FCC Form 477) to gather standardized information about subscribership to high-speed services, including advanced services, from wireline telephone companies, cable system operators, terrestrial wireless service providers, satellite service providers, and any other facilities-based providers of advanced telecommunications capability.²

We summarize here information from the thirteenth semi-annual data collection, thereby presenting a snapshot of subscribership as of December 31, 2005.³ High-speed lines connecting homes and businesses to the Internet increased by 18% during the second half of 2005, from 42.4 million to 50.2 million lines in service, compared to a 12% increase, from 37.9 million to 42.4 million lines, during the first half of 2005. For all of 2005, high-speed lines increased by 33% (or 12.3 million lines). The presence of high-speed service subscribers was reported in all 50 states, the District of Columbia, American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the Virgin Islands, and in 99% of the Zip Codes in the United States.

Twice a year, all facilities-based providers of high-speed connections to end users are required to report to the Commission basic information about their service offerings and types of customers.⁴ Prior to June 2005, providers with fewer than 250 high-speed lines (or wireless

¹ See §706, Pub.L. 104-104, Title VII, Feb. 8, 1996, 110 Stat. 153, reproduced in the notes under 47 U.S.C. § 157. We use the term “high-speed” to describe services that provide the subscriber with transmissions at a speed in excess of 200 kilobits per second (kbps) in at least one direction. “Advanced services,” which provide the subscriber with transmission speeds in excess of 200 kbps in each direction, are a subset of high-speed services.

² *Local Competition and Broadband Reporting*, CC Docket No. 99-301, Report and Order, 15 FCC Rcd 7717 (2000); *Local Telephone Competition and Broadband Reporting*, WC Docket No. 04-141, Report and Order, 19 FCC Rcd 22340 (2004). During this data gathering program, qualifying entities file FCC Form 477 each year on March 1 (reporting data for the preceding December 31) and September 1 (reporting data for June 30 of the same year). The first data collected by Form 477 were data as of December 31, 1999. An updated Form 477, and instructions for that particular form, for each specific round of the data collection may be downloaded from the FCC Forms website at www.fcc.gov/formpage.html.

³ Statistical summaries of the earlier Form 477 data collections appeared in *Deployment of Advanced Telecommunications Capability to All Americans in a Reasonable and Timely Fashion*, CC Docket No. 98-146, Second Report, 15 FCC Rcd 20913 (2000) (*Second 706 Report*), available at www.fcc.gov/broadband/706.html, and in previous releases of the *High-Speed Services for Internet Access* report, available at www.fcc.gov/wcb/stats.

⁴ For reporting purposes, an entity is a “facilities-based” provider of high-speed connections if it owns the portion of the physical “local loop” or other facility that terminates at the end user location, if it obtains unbundled network elements (UNEs), special access lines, and other leased facilities that terminate at end user locations and equips them to operate as high-speed connections, or if it uses spectrum on a licensed or unlicensed basis to terminate high-speed connections at end user locations. Non-facilities-based Internet Service Providers (ISPs), as such, have no reporting obligation. End-user lines equipped as high-speed connections by, for example, an incumbent local exchange carrier (incumbent LEC) must be reported by the incumbent LEC or an affiliate irrespective of whether (continued....)

channels) in service in a particular state were not required to report data for that state.⁵ Small providers of high-speed connections, many of whom serve rural areas with relatively small populations, were therefore underrepresented in the earlier data. By including these providers, the number of holding companies and unaffiliated entities reporting information about high-speed connections as of December 31, 2005 more than doubled.⁶

The data reported for December 31, 2005 include detail about the information transfer rates (“speeds”) of the reported connections and a breakdown of high-speed connections by type of technology.⁷ The reported data also enable us to estimate, for individual states, the extent to which Digital Subscriber Line (DSL) high-speed connections provided by incumbent local exchange carriers (incumbent LECs), and cable modem high-speed service provided by cable system operators, are available to households residing in the areas these companies serve.

Readers can draw the following broad conclusions from the data summarized in this report:

- High-speed lines (or wireless channels) connecting homes and businesses to the Internet at speeds that exceed 200 kbps in *at least one* direction increased from 42.4 million lines to 50.2 million lines during the second half of 2005. For the full twelve month period ending December 31, 2005, high-speed lines increased by 12.3 million, from 37.9 million lines to 50.2 million lines. See Table 1 and Chart 1.
- For the first time in our data collection, the increase in asymmetric DSL (ADSL) lines exceeded the increase in cable modem connections. ADSL increased by 3.2 million lines during the second half of 2005 compared to an increase of 1.6 million lines for cable modem service. For the full year, ADSL increased by 5.7 million lines compared to an increase of 4.2 million lines for cable modem service. See Table 1.

(Continued from previous page) _____

the end user of the retail high-speed Internet-access service is billed by the incumbent LEC, its ISP affiliate, another affiliate, or its billing agent, or by an unaffiliated ISP that has incorporated the incumbent LEC’s high-speed service into a premium Internet-access service marketed under the ISP’s own name.

⁵ High-speed lines reported in voluntary submissions of data prior to June 2005 represented less than 0.05% of total reported high-speed lines. As of December 31, 2005, filers with fewer than 250 lines in a state (including some entities that previously made voluntary submissions) represented about 0.2% of total reported high-speed lines.

⁶ The nationwide number of holding companies and unaffiliated entities reporting high-speed lines increased from 552 as of December 31, 2004 to 1,344 as of December 31, 2005. See Table 7 for the nationwide counts and, for state-specific counts, see Table 8.

⁷ Some Internet-access connections that telephone companies, cable system operators, and wireless service providers offer do not meet the 200 kbps criterion for reporting high-speed connections to the Commission, but may nevertheless meet the needs of the subscribers who select them over a more expensive service option.

- Of the 50.2 million total high-speed lines, 50.9% were cable modem, 38.8% were ADSL, 1.7% were symmetric DSL (SDSL) or traditional wireline, 0.9% were fiber to the end user premises, and 7.6% used other technologies.⁸ See Chart 2.
- Lines connecting homes and businesses to the Internet at transmission speeds that exceed 200 kbps in *both* directions increased from 37.3 million lines to 42.8 million lines during the second half of 2005. For the full twelve month period ending December 31, 2005, they increased by 13.9 million, from 28.9 million lines to 42.8 million lines. See Table 2 and Chart 3.
- Of the 42.8 million lines which were faster than 200 kbps in *both* directions, 59.0% were cable modem, 37.2% were ADSL, 2.0% were SDSL or traditional wireline, 1.0% were fiber to the end user premises, and 0.7% used other technologies. See Chart 4.
- Of the 50.2 million total high-speed lines, 42.9 million were designed to serve primarily residential end users. Cable modem represented 57.5% of these lines while 40.5% were ADSL, 0.3% were SDSL or traditional wireline connections, 0.5% were fiber to the end user premises, and 1.2% used other technologies. See Table 3 and Chart 6. For state-specific data, see Table 13.
- Of the 42.8 million lines that were faster than 200 kbps in *both* directions, 39.3 million lines were designed to serve primarily residential end users. Cable modem represented 62.4% while 36.2% were ADSL, 0.3% were SDSL or traditional wireline, 0.5% were fiber to the end user premises, and 0.5% used other technologies. See Table 4 and Chart 8.
- Of the 42.8 million reported high-speed lines that were faster than 200 kbps in *both* directions as of December 31, 2005, 62.3% were at least 2.5 mbps in the faster direction and 37.7% were slower than 2.5 mbps in the faster direction. See Table 5.
- Incumbent LECs or their affiliates reported 96.3% of ADSL connections and 55.3% of traditional wireline connections. When all technologies are considered, incumbent LECs reported 45.1% of total high-speed connections. See Table 6.
- High-speed lines were reported in all 50 states, the District of Columbia, American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the Virgin Islands. See Table 9 and, for historical data, Tables 10 - 12.
- As a nationwide average, we estimate that high-speed DSL connections were available to 78% of the households to whom incumbent LECs could provide local telephone service, and

⁸ Providers are instructed to report a high-speed connection in the (mutually exclusive) technology category that characterizes the last few feet of distribution plant to the subscriber's premises. In addition to cable modem, ADSL, SDSL, traditional wireline such as T-carrier, and optical carrier (fiber to the end user) connections, reporting entities specify satellite, terrestrial fixed wireless (licensed or unlicensed), terrestrial mobile wireless (licensed or unlicensed), electric power line, or "all other" technology.

that high-speed cable modem service was available to 93% of the households to whom cable system operators could provide cable TV service. See Table 14.

- The Commission’s data collection program requires providers to list the Zip Codes in which the provider has at least one high-speed connection in service to an end user, and 99% of Zip Codes were listed by at least one provider.⁹ The most widely reported technologies by this measure were satellite (with at least some presence reported in 88% of Zip Codes), ADSL (in 82% of Zip Codes), and cable modem (in 57% of Zip Codes). ADSL and/or cable modem connections were reported to be present in 87% of Zip Codes.¹⁰ See Tables 15 and 16. For state-specific data, see Table 17.
- Our analysis indicates that more than 99% of the country’s population lives in the 99% of Zip Codes where a provider reports having at least one high-speed service subscriber. Moreover, numerous competing providers report serving high-speed subscribers in the major population centers of the country. See the map that follows Table 16.
- High population density has a positive association with reports that high-speed subscribers are present, and low population density has an inverse association. For example, high-speed subscribers were reported to be present in 99% of the most densely populated Zip Codes and in 88% of Zip Codes with the lowest population densities.¹¹ The comparable figure for the lowest-density Zip Codes was 75% a year earlier. See Table 18.
- High median household income also has a positive association with reports that high-speed subscribers are present. In the top one-tenth of Zip Codes ranked by median household income, high-speed subscribers are reported in 99% of Zip Codes. By contrast, high-speed subscribers are reported in 90% of Zip Codes with the lowest median household income, compared to 83% a year earlier. See Table 19.

As other information from the Commission’s data collection program (FCC Form 477) becomes available, it will be included in future reports on the deployment of advanced telecommunications capability and in publications such as this one.

⁹ Lists of Zip Codes with number of service providers as reported in the FCC Form 477 filings are made available at www.fcc.gov/wcb/stats in a format that honors requests for nondisclosure of information the reporting entities assert is competitively sensitive.

¹⁰ The 87% figure (more precisely, 86.5%) includes ZIP codes with either ADSL subscribers reported, cable modem subscribers reported, or both. In 52.7% of ZIP codes, both ADSL and cable modem subscribers have been reported. In 29.4% of ZIP codes, there are ADSL subscribers reported but no cable modem subscribers, and in 4.4% of ZIP codes there are cable modem subscribers reported but no ADSL subscribers reported.

¹¹ For this comparison, we consider the most densely populated Zip Codes to be those with more than 3,147 persons per square mile (the top decile of Zip Codes) and the least densely populated Zip Codes to be those with fewer than 6 persons per square mile (the bottom decile).

We invite users of this information to provide suggestions for improved data collection and analysis by:

- Using the attached customer response form,
- E-mailing comments to James.Eisner@fcc.gov or Suzanne.Mendez@fcc.gov,
- Calling the Industry Analysis and Technology Division of the Wireline Competition Bureau at (202) 418-0940, or
- Participating in any formal proceedings undertaken by the Commission to solicit comments for improvement of FCC Form 477.

Table 1
High-Speed Lines ¹
(Over 200 kbps in at least one direction)

Technology ²	1999	2000	2001	2002	2003	2004	2005	
	Dec	Dec	Dec	Dec	Dec	Dec	Jun	Dec
ADSL	369,792	1,977,101	3,947,808	6,471,716	9,509,442	13,817,280	16,316,309	19,514,318
SDSL and Traditional Wireline	-	1,021,291	1,078,597	1,216,208	1,305,070	1,468,566	898,468	876,286
SDSL	-	-	-	-	-	-	411,731	366,376
Traditional Wireline	609,909	-	-	-	-	-	486,737	509,910
Cable Modem	1,411,977	3,582,874	7,059,598	11,369,087	16,446,322	21,357,400	23,936,536	25,583,233
Fiber ³	312,204	376,203	494,199	548,471	602,197	697,779	315,651	448,196
Satellite and Wireless	50,404	112,405	212,610	276,067	367,118	549,621	965,068	3,809,247
Satellite	-	-	-	-	-	-	376,837	426,928
Fixed Wireless	-	-	-	-	-	-	208,695	256,538
Mobile Wireless	-	-	-	-	-	-	379,536	3,125,781
Power Line and Other	-	-	-	-	-	-	4,872	5,859
Total Lines	2,754,286	7,069,874	12,792,812	19,881,549	28,230,149	37,890,646	42,436,904	50,237,139

For data through December 2004, only those providers with at least 250 lines per state were required to file. Data for June 2005 have been revised. See additional notes following Chart 9.

Chart 1
Total High-Speed Lines

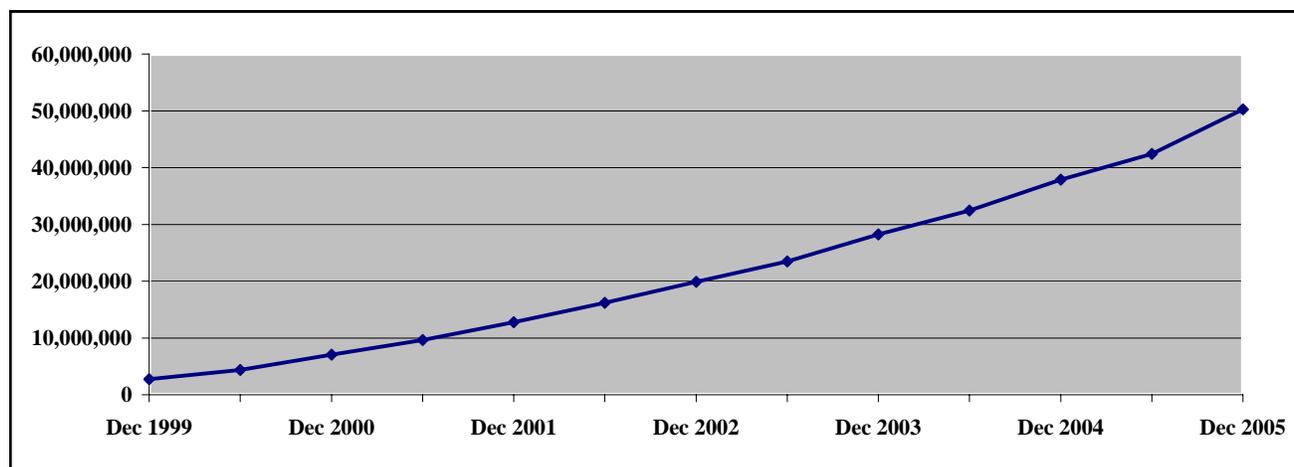


Chart 2
High-Speed Lines by Technology as of December 31, 2005

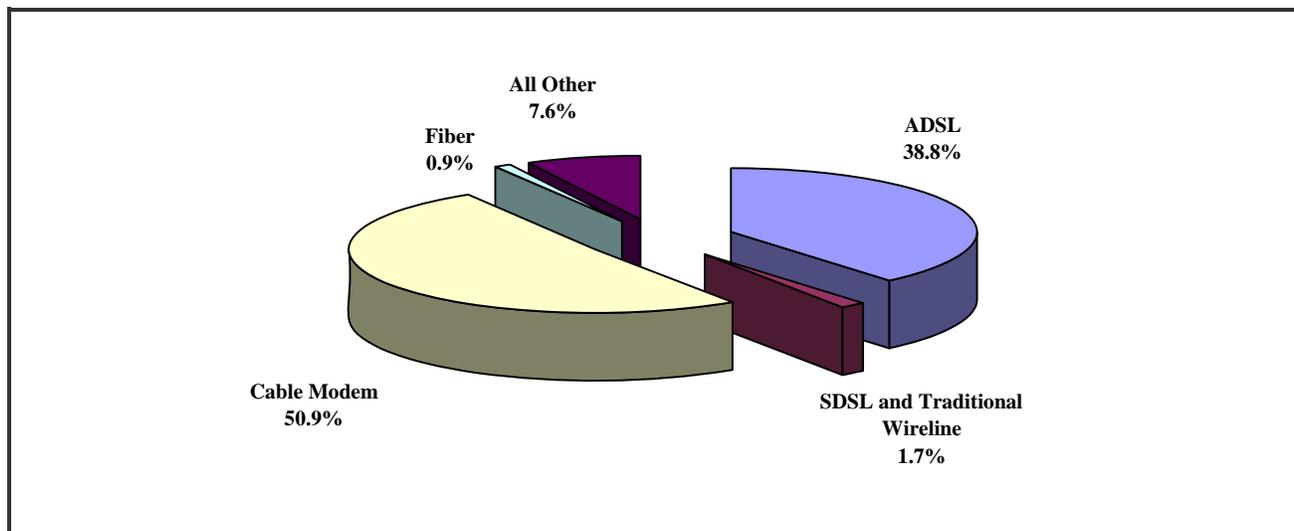


Table 2
Advanced Services Lines ¹
(Over 200 kbps in both directions)

Technology ²	1999	2000	2001	2002	2003	2004	2005	
	Dec	Dec	Dec	Dec	Dec	Dec	Jun	Dec
ADSL	185,950	675,366	1,369,143	2,178,394	3,037,474	5,695,548	13,176,095	15,915,475
SDSL and Traditional Wireline	-	1,021,291	1,078,597	1,216,208	1,305,070	1,468,566	869,772	871,572
SDSL	-	-	-	-	-	-	387,451	366,328
Traditional Wireline	609,909	-	-	-	-	-	482,321	505,244
Cable Modem	877,465	2,193,609	4,394,778	8,342,234	15,327,247	20,891,624	22,664,106	25,240,709
Fiber ³	307,315	376,197	486,483	548,123	601,441	695,253	314,229	446,990
Satellite and Wireless	7,816	26,906	75,341	65,929	73,222	106,616	223,274	306,709
Satellite	-	-	-	-	-	-	10,966	36,331
Fixed Wireless	-	-	-	-	-	-	191,229	220,197
Mobile Wireless	-	-	-	-	-	-	21,079	50,181
Power Line and Other	-	-	-	-	-	-	4,174	5,071
Total Lines	1,988,455	4,293,369	7,404,343	12,350,888	20,344,453	28,857,608	37,251,651	42,786,526

For data through December 2004, only those providers with at least 250 lines per state were required to file. Data for June 2005 have been revised. See additional notes following Chart 9.

Chart 3
Advanced Services Lines

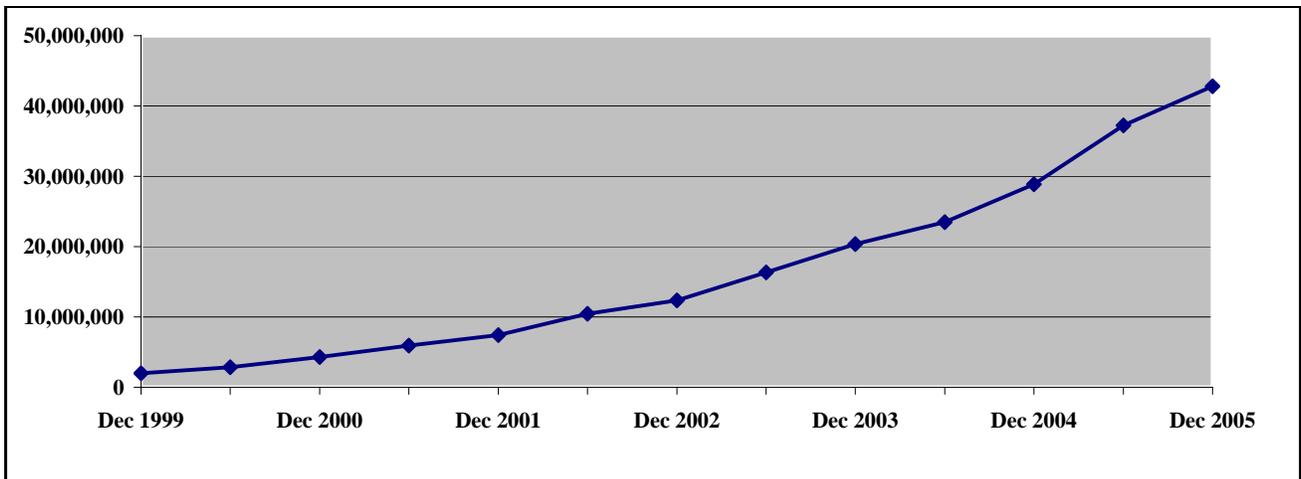


Chart 4
Advanced Services Lines by Technology as of December 31, 2005

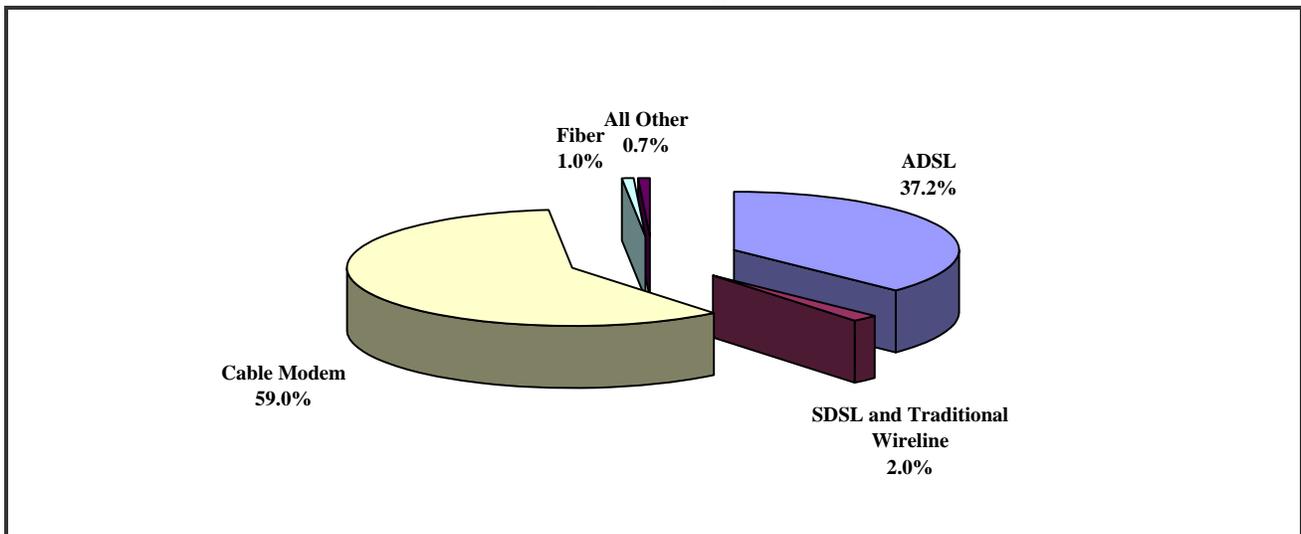


Table 3
Residential High-Speed Lines ¹
(Over 200 kbps in at least one direction)

Technology ²	1999	2000	2001	2002	2003	2004	2005	
	Dec	Dec	Dec	Dec	Dec	Dec	Jun	Dec
ADSL	291,757	1,594,879	3,615,989	5,529,241	8,909,027	13,119,326	14,442,823	17,371,113
SDSL and Traditional Wireline	-	176,520	139,660	213,489	289,764	419,215	159,489	128,506
SDSL	-	-	-	-	-	-	153,978	121,597
Traditional Wireline	46,856	-	-	-	-	-	5,511	6,908
Cable Modem	1,402,394	3,294,546	7,050,709	11,342,512	16,416,364	21,270,158	23,497,069	24,689,928
Fiber ³	1,023	1,994	4,139	14,692	19,830	34,959	83,293	213,684
Satellite and Wireless	50,189	102,432	194,897	256,978	341,864	422,623	428,367	529,407
Satellite	-	-	-	-	-	-	265,017	320,142
Fixed Wireless	-	-	-	-	-	-	160,775	202,864
Mobile Wireless	-	-	-	-	-	-	2,574	6,401
Power Line and Other	-	-	-	-	-	-	4,447	5,504
Total Lines	1,792,219	5,170,371	11,005,396	17,356,912	25,976,850	35,266,281	38,615,489	42,938,142

For data through December 2004, only those providers with at least 250 lines per state were required to file. Small business lines were included in totals through December 2004. Data for June 2005 have been revised. See additional notes following Chart 9.

Chart 5
Residential High-Speed Lines

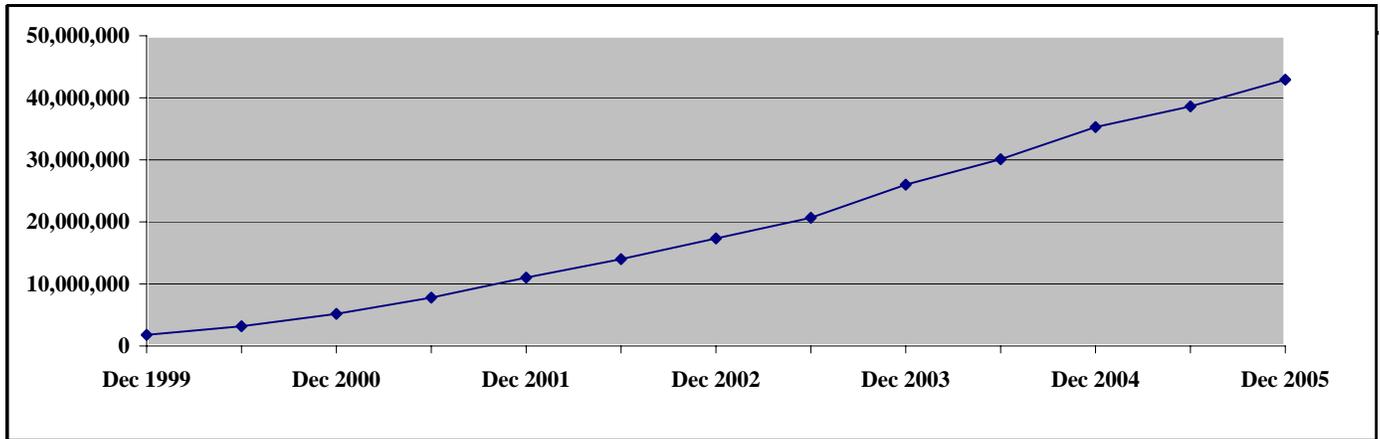


Chart 6
Residential High-Speed Lines by Technology as of December 31, 2005

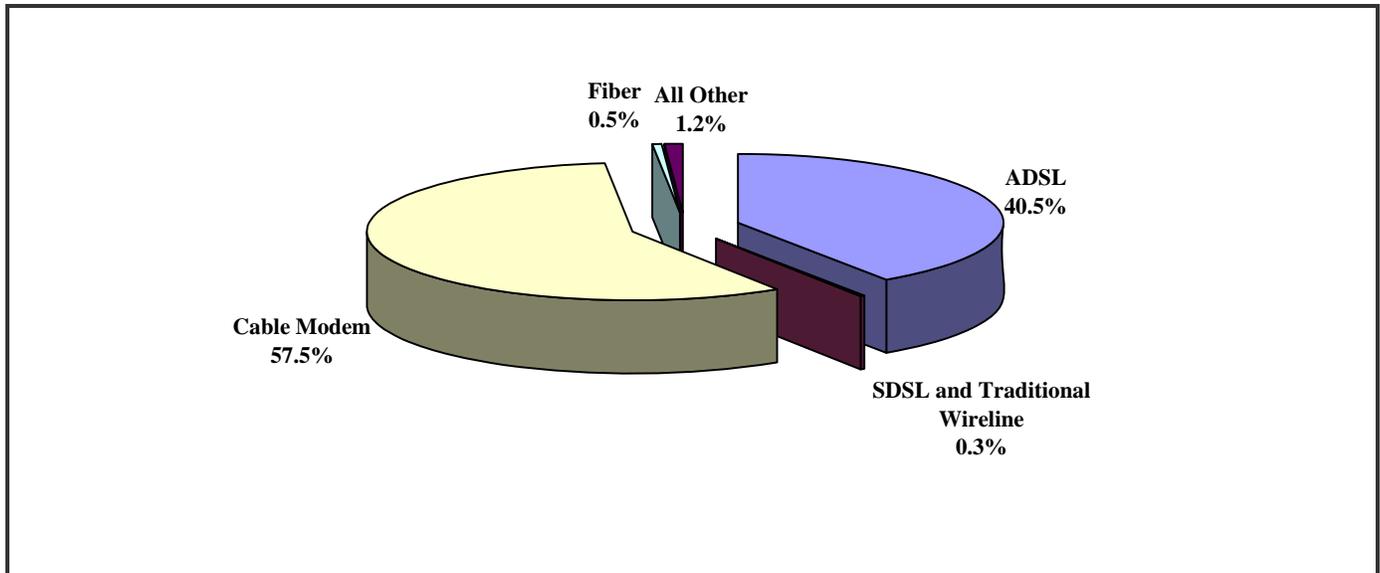


Table 4
Residential Advanced Services Lines ¹
(Over 200 kbps in both directions)

Technology ²	1999	2000	2001	2002		2004	2005	
	Dec	Dec	Dec	Dec	Dec	Dec	Jun	Dec
ADSL	116,994	393,246	1,243,996	1,827,547	2,437,059	5,026,367	11,731,303	14,238,316
SDSL and Traditional Wireline	-	176,520	139,660	213,489	289,764	419,215	151,979	124,177
SDSL	-	-	-	-	-	-	149,862	121,597
Traditional Wireline	46,856	-	-	-	-	-	2,118	2,580
Cable Modem	872,024	2,177,328	4,388,967	8,322,157	15,297,289	20,811,704	22,243,481	24,510,226
Fiber ³	138	1,992	3,523	14,408	19,074	33,189	82,831	213,173
Satellite and Wireless	7,682	17,043	58,113	47,903	51,944	84,465	150,893	202,044
Satellite	-	-	-	-	-	-	2,244	25,117
Fixed Wireless	-	-	-	-	-	-	146,074	170,838
Mobile Wireless	-	-	-	-	-	-	2,574	6,088
Power Line and Other	-	-	-	-	-	-	3,916	4,876
Total Lines	1,043,694	2,766,130	5,834,258	10,425,505	18,095,131	26,374,940	34,364,403	39,292,811

For data through December 2004, only those providers with at least 250 lines per state were required to file. Small business lines were included in totals through December 2004. Data for June 2005 have been revised. See additional notes following Chart 9.

Chart 7
Residential Advanced Services Lines

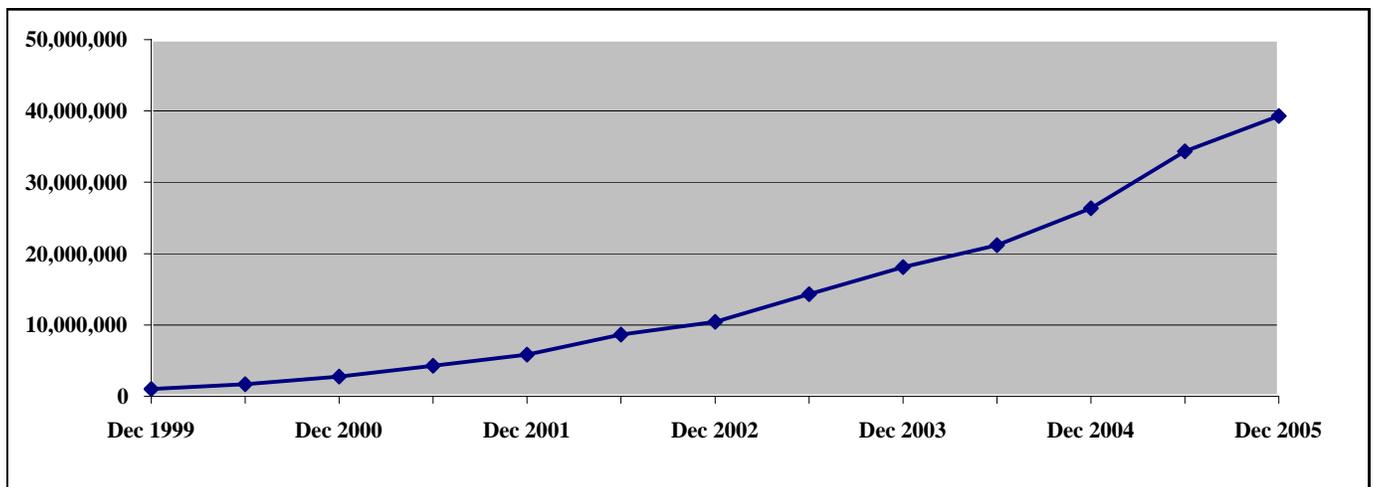


Chart 8
Residential Advanced Services Lines by Technology as of December 31, 2005

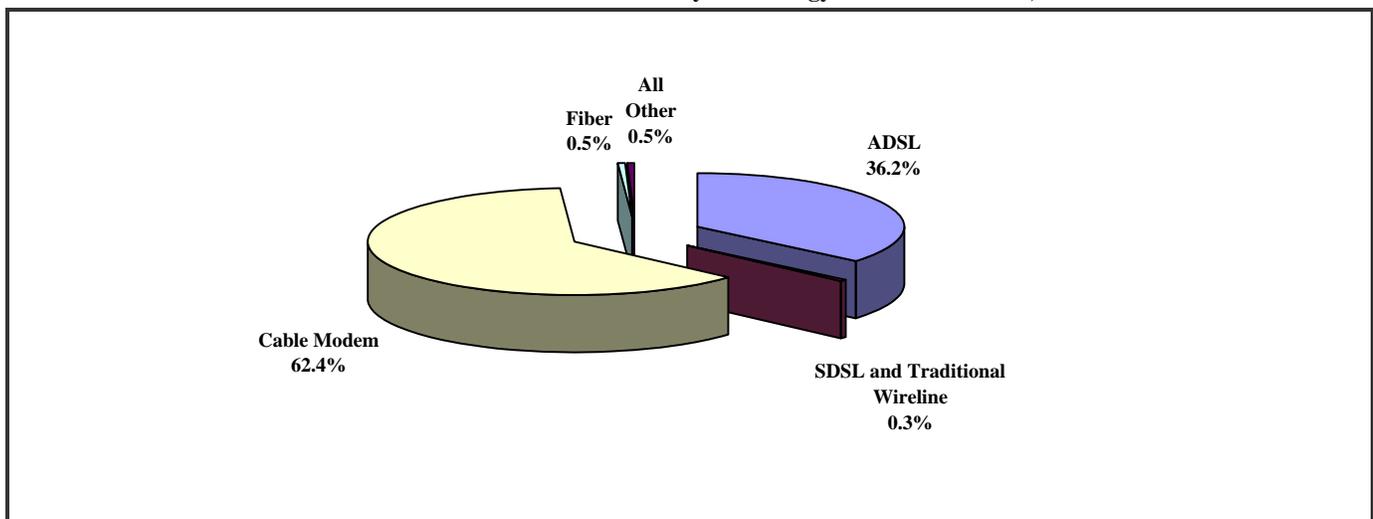
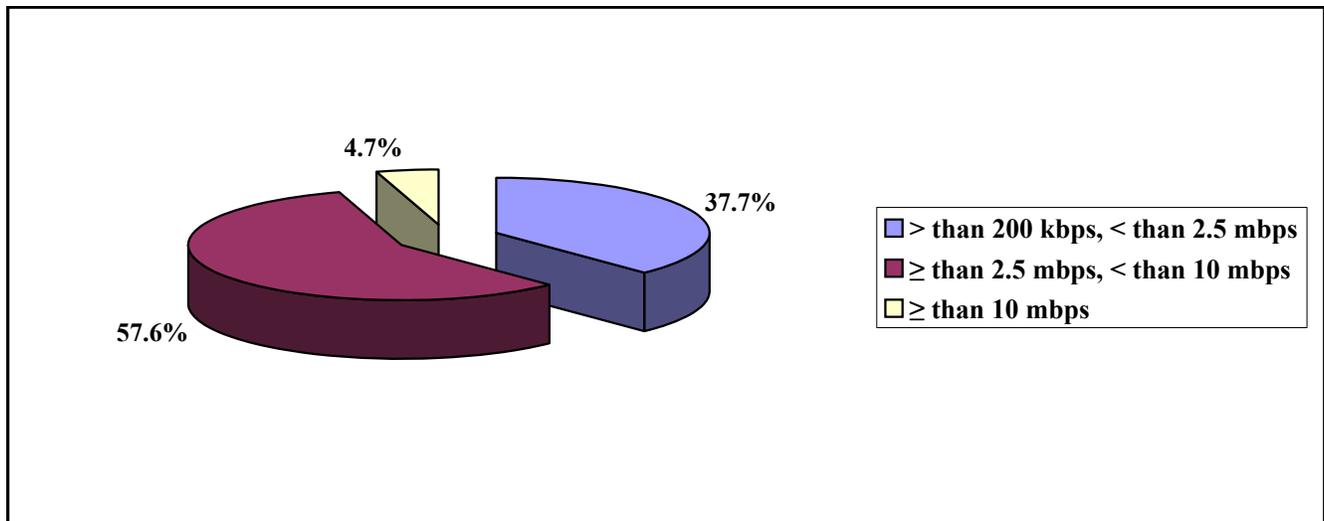


Table 5
High-Speed Lines by Information Transfer Rates ¹
As of December 31, 2005

Technology ²	Exceeding 200 kbps in only one direction	Exceeding 200 kbps in both directions, and:				
		Greater than 200 kbps and less than 2.5 mbps in the faster direction	Greater than or equal to 2.5 mbps and less than 10 mbps in the faster direction	Greater than or equal to 10 mbps and less than 25 mbps in the faster direction	Greater than or equal to 25 mbps and less than 100 mbps in the faster direction	Greater than or equal to 100 mbps in the faster direction
ADSL	3,598,843	11,849,654	4,058,918	6,805	*	*
SDSL	48	365,791	381	*	*	0
Traditional Wireline	4,666	477,802	10,727	3,853	9,448	3,414
Cable Modem	342,524	2,943,546	20,410,400	1,885,234	*	*
Fiber	1,206	208,225	166,629	46,850	14,263	11,023
Satellite	390,597	36,331	0	0	0	0
Fixed Wireless	36,341	*	10,162	*	*	*
Mobile Wireless	3,075,600	*	*	0	0	0
Power Line and Other	788	3,781	*	0	0	*
Total Lines	7,450,613	16,133,345	24,658,687	1,943,161	34,882	16,451

* Data withheld to maintain firm confidentiality.
See notes following Chart 9.

Chart 9
High-Speed Lines by Information Transfer Rates in the Faster Directions as of December 31, 2005
(Includes only lines exceeding 200 kbps in both directions)



Notes for Tables 1 - 5 and Charts 1 - 9.

Advanced services lines, residential high-speed lines, and residential advanced services lines are estimated based on data reported on FCC Form 477. Therefore, figures may not add to totals due to rounding.

¹ High-speed lines are connections to end-user locations that deliver services at speeds exceeding 200 kbps in at least one direction. Advanced services lines, which are a subset of high-speed lines, are connections that deliver services at speeds exceeding 200 kbps in both directions. In Tables 2 and 4, we enumerate those reported high-speed lines that also qualify as advanced services lines. More detailed information about connection speeds is presented in Table 5. Line counts presented in this report are not adjusted for the number of persons at a single end-user location who have access to, or who use, the Internet-access services that are delivered over the high-speed connection to that location.

² The mutually exclusive types of technology are, respectively: Asymmetric digital subscriber line (ADSL) technologies, which provide speeds in one direction greater than speeds in the other direction; symmetric digital subscriber line (SDSL) technologies; traditional wireline technologies "other" than ADSL and SDSL, including traditional telephone company high-speed services that provide equivalent functionality; cable modem, including the typical hybrid fiber-coax (HFC) architecture of upgraded cable TV systems; optical fiber to the subscriber's premises (e.g., Fiber-to-the-Home, or FTTH); satellite and fixed and mobile terrestrial wireless systems, which use radio spectrum to communicate with a radio transmitter; and electric power line.

³ Fiber line counts included electric power line through December 2004. The June 2005 fiber counts reflect a downward correction by one or more filers. Earlier rounds were not revised to take into account this downward correction.

Table 6
High-Speed Lines by Type of Provider as of December 31, 2005
(Over 200 kbps in at least one direction)

Technology ¹	Lines				Percent of Lines		
	RBOC	Other ILEC	Non-ILEC ²	Total	RBOC	Other ILEC	Non-ILEC ²
ADSL	16,050,135	2,748,818	715,365	19,514,318	82.2 %	14.1 %	3.7 %
SDSL	*	*	225,712	366,376	*	*	61.6
Traditional Wireline	268,618	13,398	227,894	509,910	52.7	2.6	44.7
Cable Modem	*	*	25,522,460	25,583,233	*	*	99.8
Fiber	*	*	110,944	448,196	*	*	24.8
Satellite	0	0	426,928	426,928	0.0	0.0	100.0
Fixed Wireless	*	*	246,455	256,538	*	*	96.1
Mobile Wireless	*	*	74,847	3,125,781	*	*	2.4
Power Line and Other	0	804	5,055	5,859	0.0	13.7	86.3
Total Lines	19,738,101	2,943,378	27,555,660	50,237,139	39.3 %	5.9 %	54.9 %

* Data withheld to maintain firm confidentiality.

¹ The mutually exclusive types of technology are, respectively: Asymmetric digital subscriber line (ADSL) technologies, which provide speeds in one direction greater than speeds in the other direction; symmetric digital subscriber line (SDSL) technologies; traditional wireline technologies other than ADSL and SDSL, including traditional telephone company high-speed services that provide equivalent functionality; cable modem, including the typical hybrid fiber-coax (HFC) architecture of upgraded cable TV systems; optical fiber to the subscriber's premises (e.g., Fiber-to-the-Home, or FTTH); satellite and fixed and mobile terrestrial wireless systems, which use radio spectrum to communicate with a radio transmitter, and electric power line.

² High-speed lines reported by competitive local exchange carriers (CLECs) or cable TV operations that are affiliated with a local exchange carrier are included in Non-ILEC lines, except for any such lines that are included in RBOC lines.

Chart 10
Share of High-Speed Lines by Type of Provider as of December 31, 2005

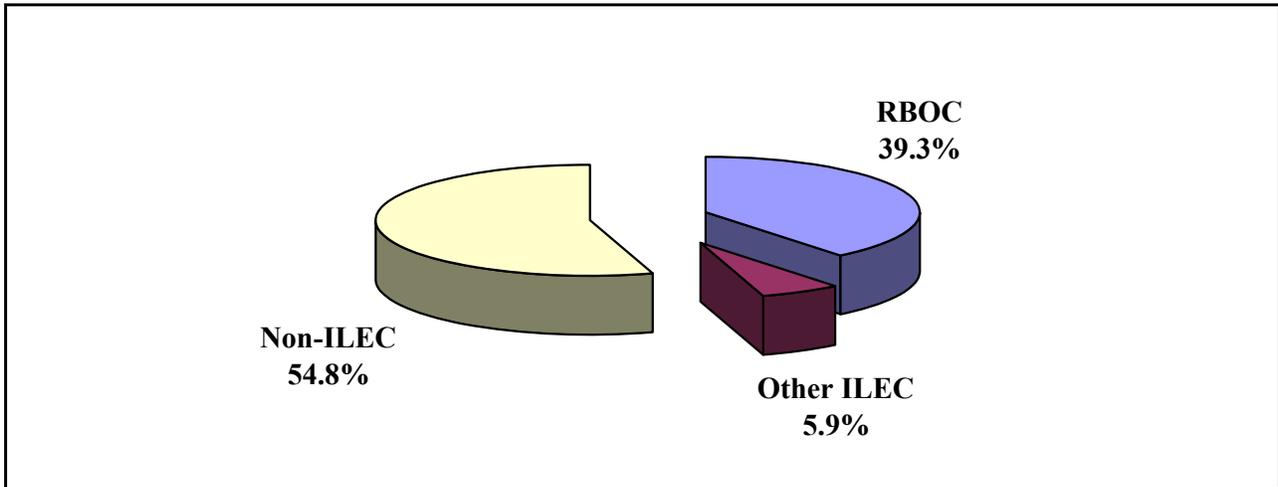


Table 7
Nationwide Number of Providers of High-Speed Lines by Technology
(Over 200 kbps in at least one direction)

	ADSL	Cable Modem	All Other ¹	Total
Dec 1999	28	43	65	105
Jun 2000	47	36	75	116
Dec 2000	68	39	87	136
Jun 2001	86	47	98	160
Dec 2001	117	59	122	203
Jun 2002	142	68	138	237
Dec 2002	178	87	169	299
Jun 2003	235	98	217	378
Dec 2003	274	110	246	432
Jun 2004	298	129	281	485
Dec 2004	352	147	312	552
Jun 2005	758	227	779	1,270
Dec 2005	818	240	831	1,344

For data through December 2004, only those providers with at least 250 lines per state were required to file.

¹ All other includes SDSL, traditional wireline, fiber, satellite, fixed and mobile wireless, and power line.

Chart 11
Historical Number of Reporting Providers of High-Speed Lines by Technology

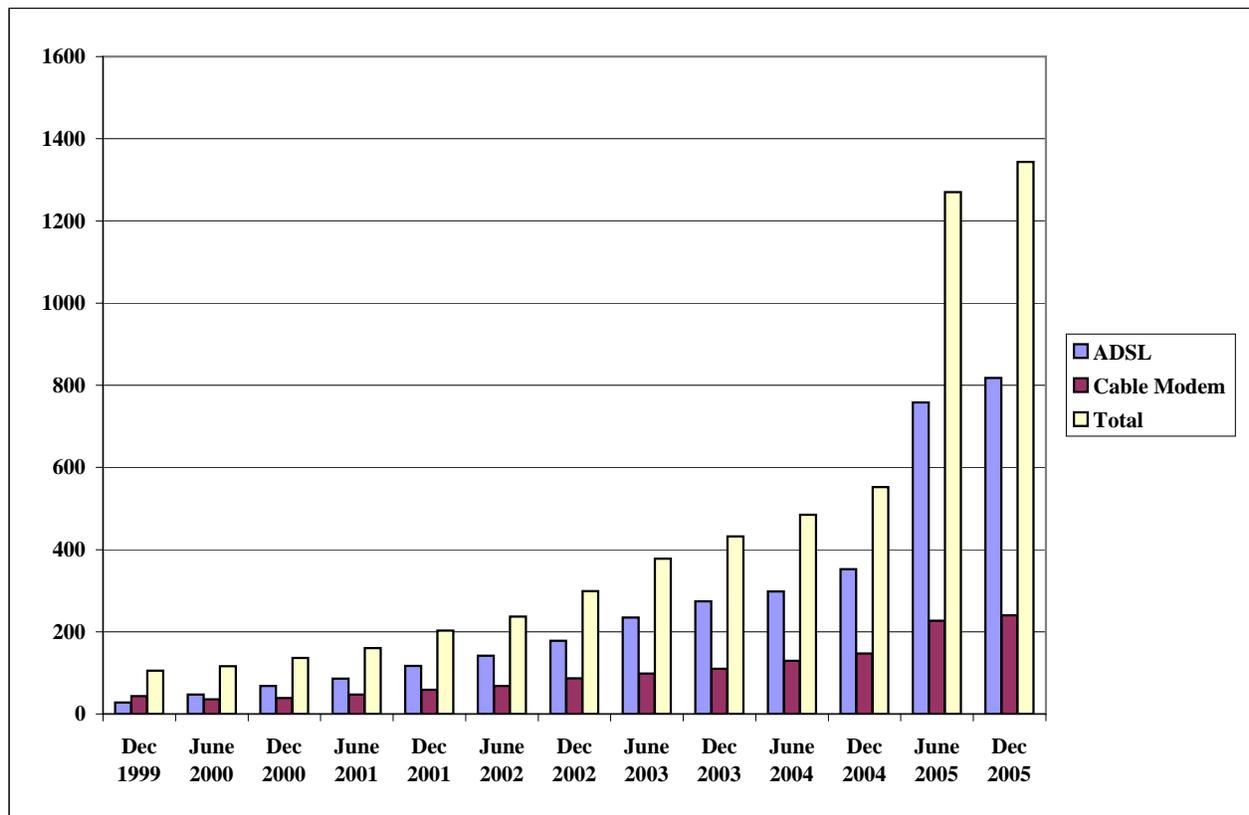


Table 8
Providers of High-Speed Lines by Technology as of December 31, 2005
(Over 200 kbps in at least one direction)

State	ADSL	SDSL	Traditional Wireline	Cable Modem	Fiber	Satellite	Fixed Wireless	Mobile Wireless	Power Line and Other	Total (Unduplicated)
Alabama	29	9	13	14	5	*	*	*	*	55
Alaska	9	4	4	4	4	*	6	*	0	18
American Samoa	*	*	0	0	0	0	*	0	0	*
Arizona	20	9	13	6	6	*	14	*	0	51
Arkansas	19	8	7	6	4	*	*	*	0	35
California	26	16	22	17	13	*	24	*	0	77
Colorado	25	11	17	10	6	*	16	4	0	59
Connecticut	11	12	8	8	5	*	0	*	0	27
Delaware	7	6	5	*	*	*	*	0	0	18
District of Columbia	7	8	10	*	4	*	*	*	0	24
Florida	20	15	18	9	11	*	9	*	*	53
Georgia	31	15	20	17	12	*	*	*	0	63
Guam	*	*	0	0	0	0	0	0	0	*
Hawaii	*	*	*	*	*	*	*	0	0	10
Idaho	19	6	10	4	9	*	11	0	*	38
Illinois	50	23	32	13	8	*	39	*	*	113
Indiana	39	16	20	10	12	4	27	*	4	80
Iowa	118	48	25	27	16	*	29	*	*	175
Kansas	40	12	13	22	10	*	22	*	0	76
Kentucky	24	10	12	13	8	*	11	*	0	58
Louisiana	20	7	10	7	7	*	7	*	0	40
Maine	14	9	8	6	4	*	*	0	0	29
Maryland	10	9	11	10	6	*	5	*	0	39
Massachusetts	15	12	18	7	4	*	4	*	0	41
Michigan	35	12	18	13	9	*	13	*	0	71
Minnesota	65	23	14	15	16	*	15	*	0	100
Mississippi	16	4	9	9	4	*	*	*	0	37
Missouri	38	20	11	16	5	4	25	*	*	81
Montana	18	8	6	4	*	*	8	*	*	32
Nebraska	35	14	5	13	*	*	23	*	0	65
Nevada	14	8	10	*	5	*	5	*	0	30
New Hampshire	17	12	12	5	6	*	*	0	0	33
New Jersey	16	14	21	6	6	*	*	*	0	40
New Mexico	22	5	5	6	*	*	7	*	0	34
New York	40	21	28	13	12	*	10	*	0	75
North Carolina	28	14	13	8	8	*	8	*	0	56
North Dakota	23	13	9	6	6	*	10	*	0	38
Northern Mariana Isl.	*	*	0	0	0	0	0	0	0	*
Ohio	36	19	15	17	12	*	15	*	*	69
Oklahoma	34	10	14	8	5	*	11	*	0	56
Oregon	35	13	13	7	9	*	9	*	0	57
Pennsylvania	39	18	22	20	13	*	8	*	0	73
Puerto Rico	*	0	4	*	*	*	*	0	*	9
Rhode Island	9	11	9	*	4	*	0	*	0	19
South Carolina	22	8	15	12	9	*	*	*	0	39
South Dakota	25	10	6	4	7	4	6	*	*	39
Tennessee	27	10	12	11	6	*	*	*	0	52
Texas	63	21	29	15	17	*	57	5	*	132
Utah	18	11	9	*	5	*	7	*	0	35
Vermont	10	6	8	*	4	*	4	0	0	23
Virgin Islands	*	*	*	0	0	*	*	0	0	5
Virginia	23	10	16	11	8	*	12	*	*	59
Washington	30	11	15	12	13	*	19	*	*	64
West Virginia	9	5	6	7	*	*	*	*	0	24
Wisconsin	45	28	13	12	7	*	14	*	0	75
Wyoming	11	6	*	*	*	*	7	0	0	22
Nationwide	818	268	237	240	169	5	459	16	17	1,344

* Indicates one to three providers.

Table 9
High-Speed Lines by Technology as of December 31, 2005
(Over 200 kbps in at least one direction)

State	ADSL	SDSL	Traditional Wireline	Cable Modem	Fiber	Satellite	Fixed Wireless	Mobile Wireless	Power Line and Other	Total
Alabama	220,657	12,659	3,798	263,571	877	*	*	*	*	510,370
Alaska	43,249	6,131	508	*	81	*	2,503	*	0	109,484
American Samoa	*	*	0	0	0	*	*	0	0	*
Arizona	207,750	25,657	5,167	672,820	2,155	*	15,859	*	0	1,033,018
Arkansas	149,878	752	2,487	137,105	1,953	*	*	*	0	302,881
California	3,592,220	41,329	146,513	2,722,634	114,729	*	26,355	*	0	7,325,304
Colorado	333,313	4,747	9,843	433,184	660	*	10,363	*	0	882,614
Connecticut	*	3,988	5,343	403,723	2,302	*	0	*	0	807,796
Delaware	*	322	1,380	*	*	*	*	0	0	124,193
District of Columbia	*	2,970	1,598	*	368	*	*	*	0	139,496
Florida	1,509,104	8,609	26,389	1,735,154	28,722	*	16,338	*	*	3,514,999
Georgia	891,236	9,847	17,329	549,023	1,504	*	*	*	0	1,576,997
Guam	*	*	0	0	0	*	0	0	0	*
Hawaii	*	*	*	*	*	*	*	0	0	*
Idaho	81,520	639	1,134	73,528	856	*	6,380	0	*	167,926
Illinois	979,709	17,020	37,670	732,906	22,908	*	14,436	*	*	1,936,836
Indiana	379,465	4,307	10,116	324,689	10,111	*	6,218	*	*	801,847
Iowa	150,890	3,950	1,286	43,457	2,702	*	10,748	*	*	217,973
Kansas	160,147	4,209	3,696	270,319	2,227	*	8,622	*	0	468,146
Kentucky	213,131	2,633	2,150	80,236	1,145	*	702	*	0	319,160
Louisiana	207,496	3,597	1,991	254,819	6,626	*	787	*	0	506,658
Maine	72,709	2,370	2,887	132,075	702	*	*	0	0	214,599
Maryland	379,316	6,891	8,634	589,334	16,798	*	921	*	0	1,117,618
Massachusetts	*	8,221	8,578	885,578	12,098	*	3,048	*	0	1,431,759
Michigan	463,373	4,388	21,831	953,785	12,795	*	3,443	*	0	1,558,033
Minnesota	276,439	19,239	3,856	457,187	3,578	*	14,875	*	0	819,157
Mississippi	103,872	*	916	102,981	336	*	*	*	0	216,166
Missouri	398,671	8,088	8,999	306,262	4,414	*	4,332	*	*	764,717
Montana	57,300	2,127	431	45,442	*	*	3,533	*	*	112,662
Nebraska	81,188	2,402	286	200,604	*	*	6,710	*	0	305,124
Nevada	139,938	1,281	6,681	*	1,435	*	1,151	*	0	473,906
New Hampshire	71,689	2,480	2,568	188,212	932	*	*	0	0	268,128
New Jersey	540,382	7,967	13,556	1,205,182	8,317	*	*	*	0	1,989,803
New Mexico	105,210	703	563	89,003	*	*	1,973	*	0	204,054
New York	861,452	27,717	16,403	2,444,565	28,566	*	438	*	0	3,660,500
North Carolina	488,533	19,200	9,812	847,197	4,477	*	3,792	*	0	1,468,137
North Dakota	32,000	4,015	143	53,912	1,945	*	2,388	*	0	95,454
Northern Mariana Isl.	*	*	0	0	0	*	0	0	0	*
Ohio	663,011	5,316	22,082	1,022,557	18,655	*	8,997	*	*	1,889,878
Oklahoma	222,048	2,099	4,172	261,585	3,694	*	1,250	*	0	502,984
Oregon	243,053	7,693	4,958	374,277	3,392	*	5,969	*	0	685,535
Pennsylvania	692,079	23,197	11,592	1,074,912	19,194	*	1,306	*	0	1,998,409
Puerto Rico	*	0	2,867	*	*	*	*	0	*	118,268
Rhode Island	*	1,398	1,504	*	681	*	0	*	0	221,901
South Carolina	205,529	175	6,151	326,370	2,430	*	*	*	0	549,019
South Dakota	26,160	2,852	69	*	581	*	3,324	*	*	116,291
Tennessee	293,915	2,516	5,248	459,446	3,922	*	*	*	0	846,236
Texas	1,513,639	15,925	26,654	1,617,513	59,671	*	37,756	*	*	3,466,494
Utah	160,313	3,996	2,359	*	419	*	5,875	*	0	313,805
Vermont	43,934	1,091	1,418	*	290	*	178	0	0	95,901
Virgin Islands	*	*	*	0	0	*	*	0	0	2,967
Virginia	384,243	7,719	10,642	817,030	17,544	*	5,592	*	*	1,367,383
Washington	427,451	7,054	8,517	660,159	8,495	*	8,733	*	*	1,219,875
West Virginia	69,390	2,480	1,583	128,133	*	*	*	*	0	205,984
Wisconsin	299,307	8,526	13,452	*	9,252	*	2,350	*	0	858,202
Wyoming	33,030	243	*	*	*	*	1,852	0	0	69,805
Nationwide	19,514,318	366,376	509,910	25,583,233	448,196	426,928	256,538	3,125,781	5,859	50,237,139

* Data withheld to maintain firm confidentiality.

Table 10
High-Speed Lines by State
(Over 200 kbps in at least one direction)

State	1999	2000	2001	2002	2003	2004	2005	
	Dec	Dec	Dec	Dec	Dec	Dec	Jun	Dec
Alabama	19,796	63,334	138,979	227,888	352,215	410,054	455,300	510,370
Alaska	*	934	50,277	55,975	71,778	110,416	95,761	109,484
American Samoa	0	0	0	0	0	0	*	*
Arizona	58,825	153,500	251,709	370,939	536,465	750,882	809,819	1,033,018
Arkansas	8,155	28,968	66,537	100,280	158,197	220,324	258,270	302,881
California	547,179	1,386,625	2,041,276	3,035,756	4,165,658	5,382,849	5,954,876	7,325,304
Colorado	36,726	104,534	177,419	298,265	425,431	622,611	688,189	882,614
Connecticut	36,488	111,792	191,257	307,860	444,525	603,287	679,891	807,796
Delaware	1,558	7,492	26,601	51,100	69,010	92,889	108,554	124,193
District of Columbia	13,288	27,757	43,278	64,310	88,683	115,110	113,086	139,496
Florida	190,700	460,795	911,261	1,405,976	1,986,938	2,683,058	2,958,350	3,514,999
Georgia	75,870	203,855	420,206	654,833	927,398	1,229,110	1,328,956	1,576,997
Guam	0	0	0	0	0	*	*	*
Hawaii	*	*	*	*	*	*	*	*
Idaho	*	15,908	18,445	54,963	80,455	126,121	149,023	167,926
Illinois	77,672	242,239	422,706	734,171	1,088,770	1,534,653	1,817,481	1,936,836
Indiana	20,059	60,494	123,704	205,946	419,131	641,607	742,667	801,847
Iowa	19,258	58,199	82,024	121,053	191,464	266,794	325,701	217,973
Kansas	26,179	68,743	125,963	193,568	284,911	387,300	419,384	468,146
Kentucky	23,570	32,731	67,870	99,265	243,005	360,903	408,184	319,160
Louisiana	28,133	74,950	164,760	262,093	368,528	486,093	536,934	506,658
Maine	19,878	26,266	49,523	73,061	99,200	142,735	176,396	214,599
Maryland	52,749	124,465	260,634	391,397	578,004	796,110	899,640	1,117,618
Massachusetts	114,116	289,447	505,819	679,084	919,638	1,144,146	1,213,640	1,431,759
Michigan	81,223	198,230	433,858	640,766	848,837	1,097,230	1,336,312	1,558,033
Minnesota	38,268	117,283	199,856	335,562	485,839	651,934	716,826	819,157
Mississippi	*	12,305	35,586	80,922	116,495	168,971	191,675	216,166
Missouri	23,347	100,403	181,794	260,752	439,067	591,281	704,273	764,717
Montana	*	7,378	13,037	20,090	39,240	72,880	90,583	112,662
Nebraska	36,748	54,085	71,451	117,219	173,524	216,780	253,968	305,124
Nevada	23,514	59,879	109,850	159,179	247,442	343,945	401,932	473,906
New Hampshire	22,807	42,364	71,200	102,590	149,180	215,862	236,817	268,128
New Jersey	101,832	285,311	590,192	839,095	1,106,541	1,472,766	1,605,301	1,989,803
New Mexico	*	28,497	31,940	57,956	91,736	145,889	174,534	204,054
New York	186,504	603,487	1,199,159	1,725,296	2,262,804	2,808,553	3,067,983	3,660,500
North Carolina	57,881	136,703	357,906	594,039	842,130	1,120,611	1,222,648	1,468,137
North Dakota	*	4,227	6,082	20,024	31,571	47,957	56,044	95,454
Northern Mariana Isl.	0	0	0	0	0	0	0	*
Ohio	160,792	230,525	436,766	710,355	977,886	1,347,040	1,601,981	1,889,878
Oklahoma	96,730	95,138	114,931	196,556	286,510	391,781	444,777	502,984
Oregon	27,062	76,839	158,048	275,449	380,507	510,628	558,489	685,535
Pennsylvania	71,926	176,670	376,439	631,717	971,170	1,405,317	1,578,981	1,998,409
Puerto Rico	*	*	*	22,732	31,100	61,554	66,484	118,268
Rhode Island	*	30,919	64,293	89,821	122,255	165,362	185,415	221,901
South Carolina	25,229	63,914	135,165	222,980	310,906	415,844	464,315	549,019
South Dakota	*	2,839	9,585	18,060	28,557	40,286	61,830	116,291
Tennessee	66,307	122,391	237,401	369,370	471,341	630,308	682,369	846,236
Texas	152,518	522,538	840,665	1,349,628	1,924,664	2,597,539	2,943,487	3,466,494
Utah	11,635	35,970	72,977	121,744	162,905	238,205	259,150	313,805
Vermont	*	7,773	21,795	32,814	44,724	72,400	82,279	95,901
Virgin Islands	0	*	*	*	*	*	2,183	2,967
Virginia	51,305	139,915	292,772	463,455	716,839	998,261	1,117,591	1,367,383
Washington	71,930	195,628	335,667	485,063	672,247	889,368	1,000,412	1,219,875
West Virginia	*	6,498	32,848	78,980	100,937	155,397	178,323	205,984
Wisconsin	18,599	76,257	182,395	335,991	488,620	649,630	731,934	858,202
Wyoming	*	*	7,856	14,696	24,818	45,602	55,905	69,805
Nationwide	2,754,286	7,069,874	12,792,812	19,881,549	28,230,149	37,890,646	42,436,904	50,237,139

* Data withheld to maintain firm confidentiality. Some data for June 2005 have been revised.

Table 11
ADSL High-Speed Lines by State
(Over 200 kbps in at least one direction)

State	1999	2000	2001	2002	2003	2004	2005	
	Dec	Dec	Dec	Dec	Dec	Dec	Jun	Dec
Alabama	*	12,320	34,785	56,860	112,274	135,282	177,196	220,657
Alaska	0	0	7,975	14,295	17,184	33,690	38,530	43,249
American Samoa	0	0	0	0	0	0	*	*
Arizona	*	32,395	53,489	72,324	87,263	136,260	152,937	207,750
Arkansas	*	*	22,240	35,594	60,435	100,987	127,445	149,878
California	122,855	622,894	928,345	1,485,309	2,065,780	2,700,380	3,078,824	3,592,220
Colorado	*	42,810	70,615	113,040	155,137	248,285	268,114	333,313
Connecticut	*	22,348	41,261	100,722	167,439	244,509	*	*
Delaware	*	*	*	*	*	16,490	*	*
District of Columbia	*	*	*	35,466	44,440	51,127	*	*
Florida	*	115,133	306,015	521,623	786,275	1,110,846	1,284,507	1,509,104
Georgia	*	56,588	172,556	305,004	452,567	636,170	757,720	891,236
Guam	0	0	0	0	0	*	*	*
Hawaii	*	*	*	*	*	*	*	*
Idaho	*	*	13,643	17,930	24,503	48,500	62,691	81,520
Illinois	3,150	48,278	110,448	300,497	466,052	707,771	847,522	979,709
Indiana	*	6,442	22,385	63,463	129,341	239,454	304,800	379,465
Iowa	*	*	13,193	29,161	48,226	88,707	118,777	150,890
Kansas	0	14,281	23,564	39,315	68,044	112,063	136,402	160,147
Kentucky	5,690	16,327	43,191	55,254	94,126	148,963	180,324	213,131
Louisiana	*	22,788	58,019	86,359	116,047	163,021	190,603	207,496
Maine	0	*	*	8,432	17,785	41,000	52,032	72,709
Maryland	*	*	79,997	115,687	152,906	249,379	305,677	379,316
Massachusetts	*	53,700	125,630	181,426	230,333	302,537	*	*
Michigan	786	25,482	52,505	111,182	175,202	299,861	374,861	463,373
Minnesota	*	40,870	67,527	98,316	134,914	188,181	227,988	276,439
Mississippi	*	*	*	*	41,740	71,993	88,252	103,872
Missouri	*	38,759	68,186	114,861	182,119	282,904	341,618	398,671
Montana	*	1,760	4,272	6,549	19,417	36,183	46,786	57,300
Nebraska	*	*	13,637	16,117	25,599	46,283	66,268	81,188
Nevada	*	10,023	17,598	36,662	61,014	93,145	116,395	139,938
New Hampshire	*	3,339	9,618	14,630	23,555	42,835	54,233	71,689
New Jersey	*	59,332	151,829	197,615	251,754	372,949	443,808	540,382
New Mexico	*	*	*	22,607	36,546	68,359	82,062	105,210
New York	9,307	124,146	285,814	391,686	497,071	641,321	736,769	861,452
North Carolina	*	23,815	65,582	124,031	210,958	340,520	412,991	488,533
North Dakota	*	*	4,849	8,826	14,034	23,874	26,841	32,000
Northern Mariana Isl.	0	0	0	0	0	0	0	*
Ohio	*	55,046	112,527	205,140	303,969	455,336	555,749	663,011
Oklahoma	*	*	39,978	65,378	106,031	158,490	189,496	222,048
Oregon	*	31,644	57,899	82,555	117,253	171,861	197,927	243,053
Pennsylvania	7,377	60,083	136,829	200,501	284,870	436,503	541,274	692,079
Puerto Rico	0	0	*	*	*	*	*	*
Rhode Island	0	*	*	*	*	*	*	*
South Carolina	*	5,168	18,686	38,293	77,599	128,042	154,666	205,529
South Dakota	*	*	2,869	6,308	11,635	18,357	20,632	26,160
Tennessee	*	13,705	42,571	74,034	116,785	193,879	237,180	293,915
Texas	*	158,513	300,752	486,833	772,697	1,104,776	1,300,681	1,513,639
Utah	*	17,352	33,306	57,025	76,466	113,033	129,607	160,313
Vermont	0	*	*	12,062	18,646	28,524	35,281	43,934
Virgin Islands	0	0	*	*	*	*	*	*
Virginia	7,425	26,750	65,298	96,805	144,584	254,355	308,947	384,243
Washington	*	79,130	140,273	200,189	262,149	338,321	363,796	427,451
West Virginia	0	*	*	*	*	39,566	53,292	69,390
Wisconsin	*	8,623	28,233	64,521	120,236	202,882	243,370	299,307
Wyoming	*	*	*	*	8,467	20,402	23,769	33,030
Nationwide	369,792	1,977,101	3,947,808	6,471,716	9,509,442	13,817,280	16,316,309	19,514,318

* Data withheld to maintain firm confidentiality. Some data for June 2005 have been revised.

Table 12
Coaxial Cable High-Speed Lines by State
(Over 200 kbps in at least one direction)

State	1999	2000	2001	2002	2003	2004	2005	
	Dec	Dec	Dec	Dec	Dec	Dec	Jun	Dec
Alabama	8,415	36,432	83,933	144,259	207,397	233,004	257,225	263,571
Alaska	0	0	*	*	*	*	*	*
American Samoa	0	0	0	0	0	0	0	0
Arizona	*	*	151,916	251,373	396,960	549,613	583,897	672,820
Arkansas	*	*	*	*	86,441	106,055	117,953	137,105
California	221,472	476,544	786,789	1,179,204	1,706,217	2,213,138	2,467,232	2,722,634
Colorado	*	*	*	*	231,075	332,927	383,154	433,184
Connecticut	28,702	78,234	137,003	192,155	260,415	341,146	372,346	403,723
Delaware	*	*	*	*	*	*	*	*
District of Columbia	*	*	*	*	*	*	*	*
Florida	110,000	255,978	486,977	741,426	1,050,062	1,384,059	1,559,592	1,735,154
Georgia	18,114	75,474	156,142	243,142	361,127	468,027	522,800	549,023
Guam	0	0	0	0	0	0	0	0
Hawaii	*	*	0	*	*	*	*	*
Idaho	0	*	*	*	*	*	78,185	73,528
Illinois	*	126,490	204,202	316,169	494,110	691,214	841,737	732,906
Indiana	7,412	37,052	78,837	114,237	257,023	364,887	397,481	324,689
Iowa	14,027	48,008	63,788	83,994	131,073	163,293	186,821	43,457
Kansas	*	48,541	94,047	142,563	199,369	246,185	258,856	270,319
Kentucky	*	*	*	22,113	124,535	183,726	217,302	80,236
Louisiana	*	*	88,851	*	227,047	291,857	328,675	254,819
Maine	*	*	*	*	*	95,182	116,203	132,075
Maryland	*	65,668	143,174	241,264	385,408	501,144	546,576	589,334
Massachusetts	*	210,019	339,244	453,473	638,441	778,595	826,351	885,578
Michigan	51,111	130,296	329,697	472,405	611,131	733,511	891,842	953,785
Minnesota	14,346	64,215	113,900	212,126	317,853	404,135	440,726	457,187
Mississippi	*	*	12,998	40,276	61,163	80,210	95,805	102,981
Missouri	*	42,255	89,370	117,403	221,917	264,917	323,270	306,262
Montana	0	*	*	*	*	29,278	35,625	45,442
Nebraska	*	*	49,939	92,261	130,319	155,796	177,074	200,604
Nevada	*	*	*	*	*	*	*	*
New Hampshire	*	*	*	*	118,456	165,188	176,033	188,212
New Jersey	*	*	375,362	578,337	781,898	1,015,944	1,107,751	1,205,182
New Mexico	0	*	*	*	47,721	68,143	78,035	89,003
New York	110,382	377,521	780,473	1,185,233	1,597,556	1,976,663	2,216,153	2,444,565
North Carolina	24,200	73,092	239,107	406,024	559,276	691,904	762,203	847,197
North Dakota	0	*	*	*	13,030	17,307	20,551	53,912
Northern Mariana Isl.	0	0	0	0	0	0	0	0
Ohio	*	127,692	264,031	435,404	597,442	804,712	961,119	1,022,557
Oklahoma	*	*	*	*	*	*	233,993	261,585
Oregon	*	*	*	165,343	233,737	301,586	335,847	374,277
Pennsylvania	34,878	85,104	190,915	376,611	621,381	885,925	962,149	1,074,912
Puerto Rico	0	0	0	*	*	*	*	*
Rhode Island	*	*	*	*	*	*	*	*
South Carolina	15,176	44,812	96,559	159,944	209,889	252,646	290,233	326,370
South Dakota	0	*	*	7,916	11,042	14,103	32,991	*
Tennessee	*	77,760	158,120	252,596	308,630	386,258	422,063	459,446
Texas	76,520	227,070	427,324	740,469	1,019,623	1,320,225	1,467,804	1,617,513
Utah	*	*	*	*	*	*	*	*
Vermont	*	*	*	*	*	*	*	*
Virgin Islands	0	0	0	0	0	0	0	0
Virginia	23,140	78,585	182,591	320,154	517,924	681,914	748,694	817,030
Washington	*	*	*	246,627	367,321	498,934	585,125	660,159
West Virginia	*	*	*	65,542	78,018	108,585	117,538	128,133
Wisconsin	*	*	*	243,043	334,394	408,512	446,840	*
Wyoming	0	*	*	*	*	*	*	*
Nationwide	1,411,977	3,582,874	7,059,598	11,369,087	16,446,322	21,357,400	23,936,536	25,583,233

* Data withheld to maintain firm confidentiality. Some data for June 2005 have been revised.

Table 13
High-Speed Lines by Type of End User as of December 31, 2005
(Over 200 kbps in at least one direction)

State	Residential	Business	Total
Alabama	454,802	55,568	510,370
Alaska	91,624	17,860	109,484
American Samoa	*	*	*
Arizona	869,399	163,619	1,033,018
Arkansas	277,330	25,551	302,881
California	6,135,685	1,189,619	7,325,304
Colorado	730,549	152,065	882,614
Connecticut	706,246	101,550	807,796
Delaware	116,239	7,954	124,193
District of Columbia	107,431	32,065	139,496
Florida	2,997,216	517,783	3,514,999
Georgia	1,283,221	293,776	1,576,997
Guam	*	*	*
Hawaii	*	*	*
Idaho	141,740	26,186	167,926
Illinois	1,672,730	264,106	1,936,836
Indiana	680,417	121,430	801,847
Iowa	178,474	39,499	217,973
Kansas	421,356	46,790	468,146
Kentucky	257,204	61,956	319,160
Louisiana	421,788	84,870	506,658
Maine	197,195	17,404	214,599
Maryland	945,021	172,597	1,117,618
Massachusetts	1,251,343	180,416	1,431,759
Michigan	1,397,124	160,909	1,558,033
Minnesota	715,114	104,043	819,157
Mississippi	181,728	34,438	216,166
Missouri	690,708	74,009	764,717
Montana	99,334	13,328	112,662
Nebraska	267,143	37,981	305,124
Nevada	404,845	69,061	473,906
New Hampshire	251,944	16,184	268,128
New Jersey	1,661,207	328,596	1,989,803
New Mexico	182,164	21,890	204,054
New York	3,130,657	529,843	3,660,500
North Carolina	1,245,681	222,456	1,468,137
North Dakota	49,038	46,416	95,454
Northern Mariana Isl.	*	*	*
Ohio	1,623,586	266,292	1,889,878
Oklahoma	461,439	41,545	502,984
Oregon	587,550	97,985	685,535
Pennsylvania	1,704,624	293,785	1,998,409
Puerto Rico	99,019	19,249	118,268
Rhode Island	190,160	31,741	221,901
South Carolina	487,923	61,096	549,019
South Dakota	52,686	63,605	116,291
Tennessee	698,997	147,239	846,236
Texas	2,976,965	489,529	3,466,494
Utah	280,146	33,659	313,805
Vermont	88,317	7,584	95,901
Virgin Islands	2,901	66	2,967
Virginia	1,172,471	194,912	1,367,383
Washington	1,036,161	183,714	1,219,875
West Virginia	192,910	13,074	205,984
Wisconsin	765,994	92,208	858,202
Wyoming	62,015	7,790	69,805
Nationwide	42,938,142	7,298,997	50,237,139

* Data withheld to maintain firm confidentiality.

Table 14

Percentage of Residential End-User Premises with Access to High-Speed Services

State	xDSL Availability Where ILECs Offer Local Telephone Service	Cable Modem Availability Where Cable Systems Offer Cable TV Service
Alabama	76%	95%
Alaska	75%	*
American Samoa	*	0%
Arizona	64%	95%
Arkansas	63%	67%
California	85%	98%
Colorado	80%	96%
Connecticut	*	83%
Delaware	*	*
District of Columbia	*	*
Florida	86%	97%
Georgia	84%	92%
Guam	*	0%
Hawaii	*	*
Idaho	70%	83%
Illinois	77%	98%
Indiana	73%	96%
Iowa	81%	92%
Kansas	79%	87%
Kentucky	74%	89%
Louisiana	85%	56%
Maine	67%	86%
Maryland	77%	97%
Massachusetts	*	99%
Michigan	65%	98%
Minnesota	78%	96%
Mississippi	73%	92%
Missouri	69%	89%
Montana	71%	87%
Nebraska	71%	91%
Nevada	84%	*
New Hampshire	63%	82%
New Jersey	88%	97%
New Mexico	75%	75%
New York	80%	97%
North Carolina	79%	96%
North Dakota	84%	89%
Northern Mariana Isl.	*	0%
Ohio	79%	96%
Oklahoma	73%	84%
Oregon	79%	90%
Pennsylvania	76%	93%
Puerto Rico	*	*
Rhode Island	*	*
South Carolina	76%	83%
South Dakota	73%	*
Tennessee	80%	97%
Texas	74%	88%
Utah	80%	*
Vermont	61%	*
Virgin Islands	*	0%
Virginia	67%	96%
Washington	78%	93%
West Virginia	61%	82%
Wisconsin	77%	*
Wyoming	74%	*
Nationwide	78%	93%

* Data withheld to maintain firm confidentiality.

xDSL includes both asymmetric and symmetric DSL. Each state-specific estimate is a weighted average of the availability percentages that ILECs or cable system operators report for the areas they serve. Reported xDSL availability is weighted by ILEC end-user switched access lines. Reported cable modem availability is weighted by cable TV subscribers. The weighted averages include ILECs or cable system operators that report no availability.

Table 15
Percentage of Zip Codes with High-Speed Lines in Service

Number of Providers	1999	2000		2001		2002		2003		2004		2005	
	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec	Jun	Dec
Zero	40.3 %	33.0 %	26.8 %	22.2 %	20.6 %	16.1 %	12.0 %	9.0 %	6.8 %	5.7 %	4.6 %	2.0 %	1.0 %
One	26.0	25.9	22.7	20.3	19.3	18.4	17.3	16.4	14.9	13.8	12.5	9.3	5.6
Two	15.5	17.8	18.4	16.7	15.7	16.2	16.8	16.9	17.1	16.8	16.3	14.1	11.9
Three	8.2	9.2	10.9	13.2	13.1	13.3	14.4	14.0	14.9	14.9	15.1	15.0	14.8
Four	4.3	4.9	6.1	8.2	9.1	9.6	10.3	10.6	11.2	11.6	12.2	12.6	13.5
Five	2.7	3.4	4.0	4.9	6.1	6.9	7.3	7.7	7.8	8.4	8.9	9.7	10.3
Six	1.7	2.5	3.0	3.6	4.2	4.6	5.0	5.3	5.8	6.1	6.3	6.8	7.8
Seven	0.8	1.7	2.3	2.8	3.2	3.2	3.9	4.0	4.2	4.4	4.6	5.3	5.7
Eight	0.3	0.8	2.0	2.2	2.5	2.8	2.7	3.1	3.3	3.6	3.6	4.0	4.6
Nine	0.2	0.4	1.6	1.9	2.0	2.4	2.2	2.5	2.6	2.8	3.1	3.8	4.0
Ten or More	0.0	0.4	2.4	3.9	4.0	6.4	8.0	10.5	11.4	11.8	12.8	17.5	20.7

For data through December 2004, only those providers with at least 250 lines per state were required to file. Figures may not add up to 100% due to rounding.

Chart 12
Percent of Zip Codes with High-Speed Providers

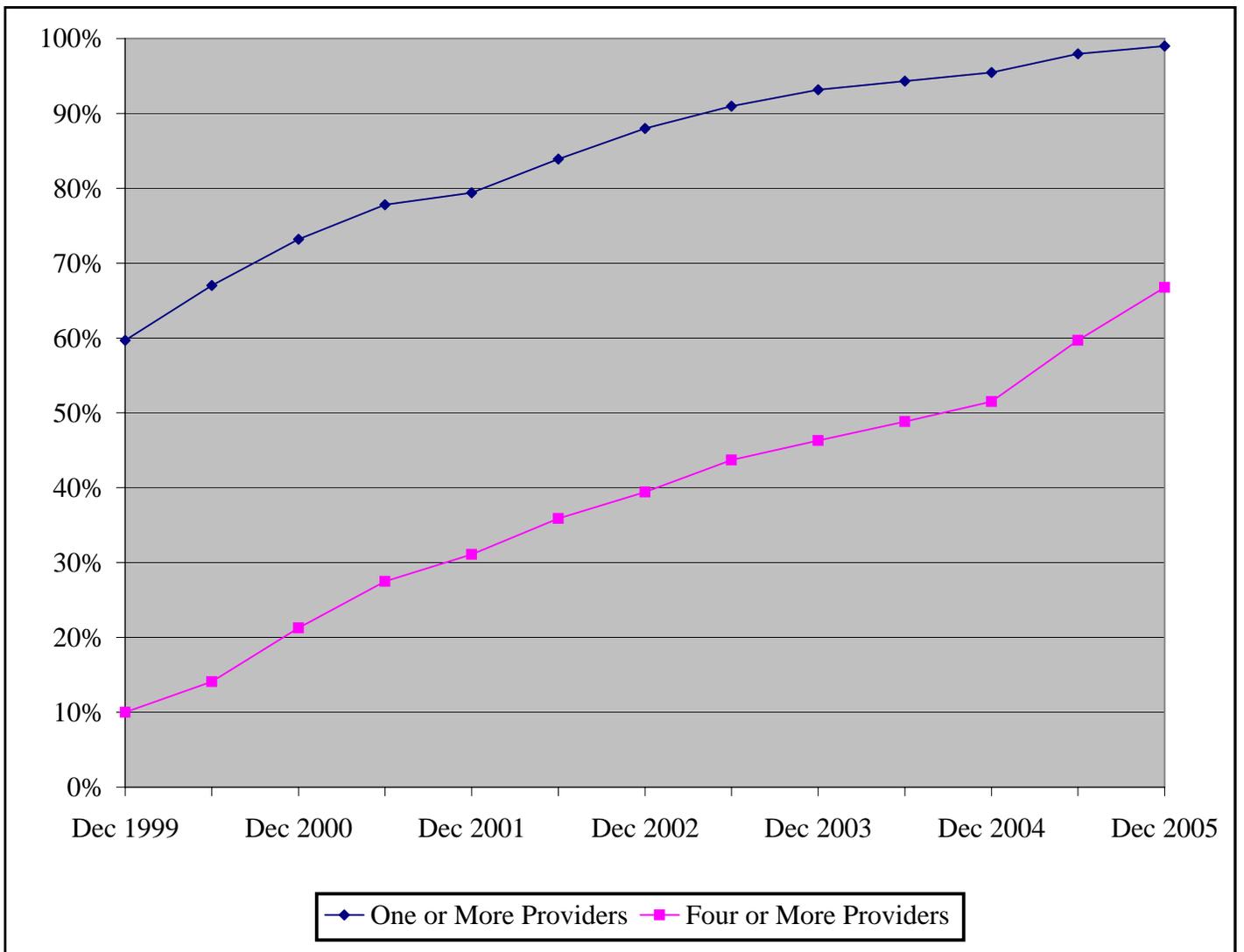


Table 16
Percentage of Zip Codes with High-Speed Lines in Service by Technology as of December 31, 2005

Technology	Number of Providers										
	Zero	One	Two	Three	Four	Five	Six	Seven	Eight	Nine	Ten or More
ADSL	17.9	40.7	18.5	9.3	5.9	3.9	2.2	1.0	0.4	0.1	0.1
SDSL	54.4	19.8	7.8	5.2	3.9	3.3	2.8	1.7	0.8	0.2	0.1
Cable Modem	42.9	48.1	8.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fiber	60.9	18.9	11.9	6.0	1.9	0.3	0.0	0.0	0.0	0.0	0.0
Satellite	11.5	46.3	28.9	12.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Fixed Wireless	80.8	15.6	2.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mobile Wireless	47.6	48.4	4.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Power Line and/or Other ¹	48.1	22.8	9.7	6.2	5.0	3.9	2.5	1.1	0.5	0.1	0.1
ADSL and/or Cable Modem	13.5	27.0	21.6	14.3	8.7	5.9	4.1	2.7	1.3	0.6	0.3
All Technologies	1.0	5.6	11.9	14.8	13.5	10.3	7.8	5.7	4.6	4.0	20.7

Figures may not add up to 100% due to rounding.

¹ Other includes high-speed lines provided over traditional wireline facilities such as T-carrier and also lines provided over any technology that is not specified in the table.

High-Speed Providers by 5-Digit Geographical ZIP Code

(As of December 31, 2005)

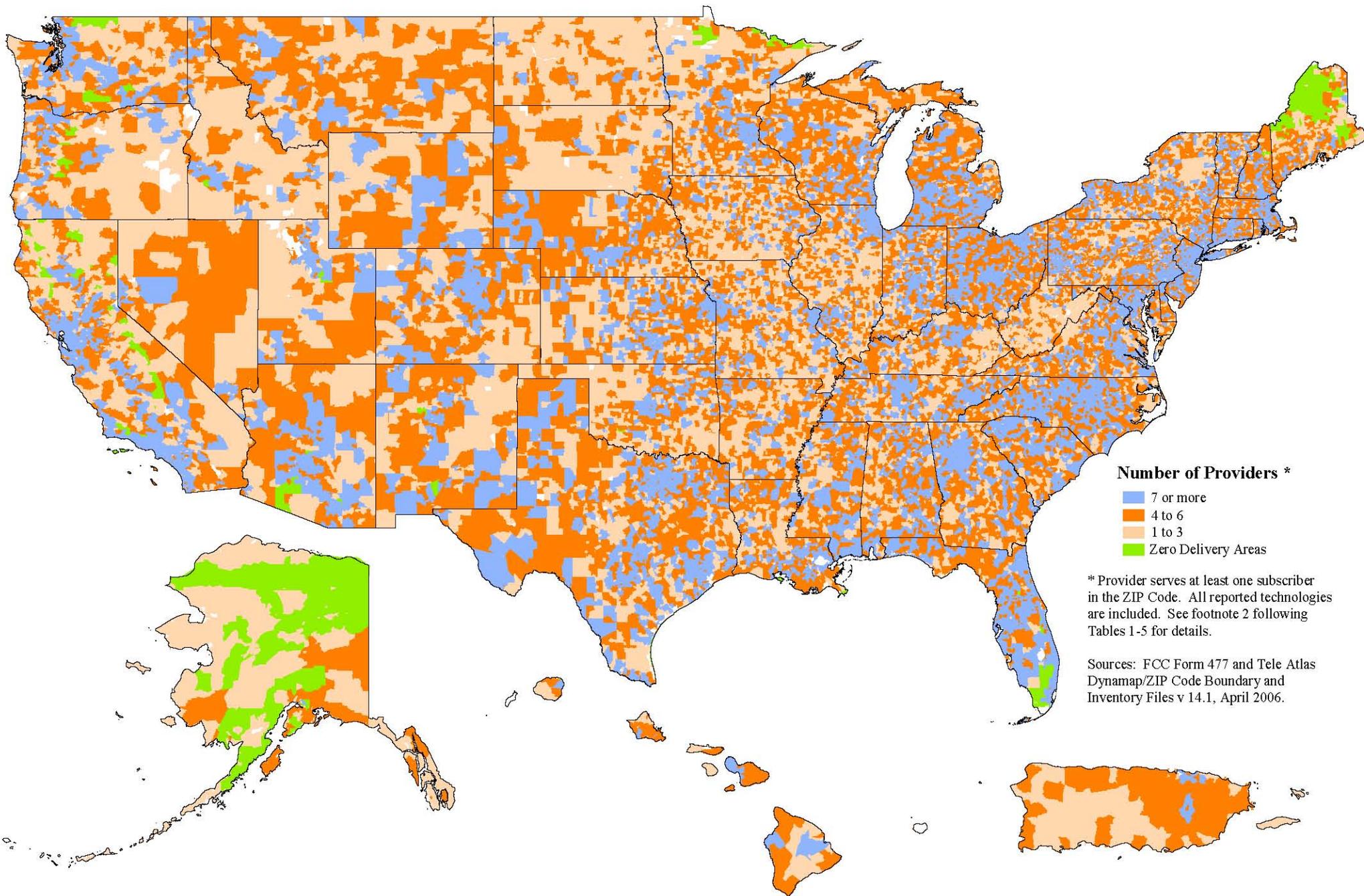


Table 17
Percentage of Zip Codes with High-Speed Lines in Service as of December 31, 2005
(Over 200 kbps in at least one direction)

	Number of Providers										
	Zero	One	Two	Three	Four	Five	Six	Seven	Eight	Nine	Ten or More
Alabama	0 %	2 %	9 %	16 %	18 %	14 %	9 %	7 %	7 %	4 %	13 %
Alaska	0	12	42	25	11	3	2	4	0	0	0
Arizona	0	1	3	15	9	9	7	6	3	4	43
Arkansas	0	7	23	26	18	9	6	3	5	2	2
California	0	3	8	11	8	6	4	5	4	5	46
Colorado	1	3	9	14	15	8	8	7	4	4	28
Connecticut	0	0	4	7	7	13	12	6	8	10	33
Delaware	0	2	5	19	16	10	7	7	9	9	17
District of Columbia	0	0	8	4	0	0	0	0	4	12	72
Florida	0	0	1	3	6	7	7	6	5	7	58
Georgia	0	1	8	16	15	12	7	5	3	3	28
Hawaii	6	11	16	10	23	17	9	8	1	0	0
Idaho	2	16	24	20	9	7	6	2	2	1	10
Illinois	2	12	16	16	11	8	6	4	4	2	20
Indiana	1	6	13	14	16	11	9	5	4	4	16
Iowa	1	15	23	20	14	10	7	4	2	1	2
Kansas	0	4	17	18	14	11	8	8	6	4	10
Kentucky	5	17	20	18	13	8	6	5	3	2	4
Louisiana	1	3	9	19	19	10	5	6	5	3	20
Maine	3	8	15	20	21	17	8	3	1	2	2
Maryland	0	2	6	15	11	11	8	5	3	5	32
Massachusetts	0	1	3	8	18	14	9	6	7	5	29
Michigan	0	1	5	11	16	15	12	8	7	4	23
Minnesota	3	13	16	16	13	9	7	3	3	2	15
Mississippi	0	2	11	21	21	12	7	8	6	3	10
Missouri	2	10	18	20	14	9	5	4	4	3	12
Montana	1	5	18	26	25	10	6	3	2	1	3
Nebraska	0	4	14	18	16	16	14	8	4	2	4
Nevada	1	2	10	13	9	14	6	6	3	7	29
New Hampshire	0	1	4	8	18	17	15	9	5	5	18
New Jersey	0	0	1	3	6	9	8	11	8	7	48
New Mexico	1	5	14	21	24	8	6	5	3	3	10
New York	1	4	10	13	13	10	7	6	6	6	25
North Carolina	0	1	4	12	15	13	12	8	5	5	25
North Dakota	0	12	37	29	13	3	3	1	1	1	1
Ohio	0	1	2	7	14	16	16	9	7	7	22
Oklahoma	1	10	21	18	12	7	7	5	4	6	8
Oregon	2	7	16	18	10	8	6	5	2	3	23
Pennsylvania	2	5	10	12	13	10	9	6	5	5	23
Puerto Rico	0	4	11	20	20	19	12	12	2	0	0
Rhode Island	0	1	9	9	9	12	4	7	8	5	34
South Carolina	0	1	6	12	16	10	11	8	7	7	21
South Dakota	1	15	26	21	20	7	4	3	1	2	1
Tennessee	1	2	12	17	15	9	8	5	4	2	24
Texas	1	3	8	11	11	11	8	7	7	6	27
Utah	2	6	11	19	15	7	5	4	1	1	29
Vermont	0	4	12	16	16	13	16	9	6	4	3
Virginia	2	4	9	15	12	13	9	7	4	2	21
Washington	1	5	12	16	11	9	5	3	4	4	31
West Virginia	5	20	28	19	12	7	2	2	2	2	1
Wisconsin	0	2	9	16	19	17	10	8	5	5	11
Wyoming	0	11	18	29	19	8	4	3	4	3	1
Nationwide	1 %	6 %	12 %	15 %	14 %	10 %	8 %	6 %	5 %	4 %	21 %

Table 18
High-Speed Subscribership
Ranked by Population Density

Persons per Square Mile ¹	Percentage of Zip Codes with at Least One High-Speed Subscriber						Percentage of Population that Resides in Zip Codes with High-Speed Service					
	Dec 2000	Dec 2001	Dec 2002	Dec 2003	Dec 2004	Dec 2005	Dec 2000	Dec 2001	Dec 2002	Dec 2003	Dec 2004	Dec 2005
More Than 3,147	98.2 %	98.1 %	98.7 %	98.9 %	99.1 %	99.2 %	99.9 %	99.8 %	100.0 %	100.0 %	100.0 %	99.9 %
947-3,147	97.1	97.3	98.2	98.5	98.7	99.3	99.8	99.7	100.0	99.9	99.9	99.9
268-947	95.7	95.8	97.9	98.8	99.1	99.3	99.3	99.5	99.9	100.0	100.0	100.0
118-268	91.5	93.3	96.7	97.9	98.2	99.2	98.1	99.1	99.7	99.8	99.8	99.8
67-118	85.9	89.3	95.0	97.5	98.0	98.8	95.0	97.1	99.1	99.7	99.7	99.8
41-67	76.1	83.3	91.5	96.0	97.5	98.8	87.9	94.4	97.8	99.0	99.3	99.5
25-41	65.0	73.1	87.6	92.6	95.5	98.1	80.0	87.6	95.6	97.7	98.5	99.3
15-25	50.1	61.2	77.8	88.0	91.4	96.6	69.4	80.4	90.8	95.7	96.8	98.9
6-15	38.5	52.1	69.4	82.7	86.2	95.8	61.9	76.2	86.4	93.2	95.0	98.4
Fewer Than 6	27.5	43.3	59.7	73.5	74.8	88.3	49.9	67.9	80.9	88.9	91.8	96.2

Table 19
High-Speed Subscribership
Ranked by Household Income

Median Household Income ¹	Percentage of Zip Codes with at Least One High-Speed Subscriber						Percentage of Population that Resides in Zip Codes with High-Speed Service					
	Dec 2000	Dec 2001	Dec 2002	Dec 2003	Dec 2004	Dec 2005	Dec 2000	Dec 2001	Dec 2002	Dec 2003	Dec 2004	Dec 2005
\$53,494 to \$291,938	96.1 %	96.8 %	98.3 %	98.7 %	98.8 %	99.1 %	99.8 %	99.6 %	99.9 %	99.9 %	99.8 %	99.8 %
\$43,617 to \$53,478	88.9	91.7	95.3	97.4	97.6	98.7	99.0	99.3	99.8	99.9	99.9	99.9
\$38,396 to \$43,614	79.5	84.9	92.1	96.0	96.7	98.6	97.8	98.6	99.5	99.8	99.8	99.9
\$34,744 to \$38,395	74.5	79.9	88.2	94.0	95.0	98.2	96.6	97.6	99.1	99.6	99.7	99.8
\$32,122 to \$34,743	71.2	78.2	87.1	92.5	94.3	97.9	95.9	97.6	98.9	99.4	99.6	99.9
\$29,893 to \$32,121	67.4	75.5	85.6	91.8	93.8	98.2	94.5	96.8	98.5	99.3	99.4	99.8
\$27,542 to \$29,892	66.9	75.2	85.4	91.8	93.6	97.7	93.8	96.5	98.3	99.2	99.4	99.7
\$24,855 to \$27,541	65.1	71.8	83.2	89.8	92.6	97.6	93.1	95.6	98.1	98.9	99.2	99.6
\$21,645 to \$24,855	61.2	70.0	83.1	90.1	92.9	97.2	91.1	95.0	97.9	99.0	99.3	99.7
\$0 to \$21,644	54.9	62.7	74.5	81.9	83.3	90.1	91.5	95.1	97.5	98.6	99.0	99.4

For data through December 2004, only those providers with at least 250 lines per state were required to file.

¹ Persons per square mile and median household income are presented in decile groups. Each decile group contains 10% of the 5-digit geographical Zip Codes for which the demographic information, as of the year 2000, is available in Demographic Power Pack, Current Year Update (2000), MapInfo Corporation.

Customer Response

Publication: *High-Speed Services for Internet Access: Status as of December 31, 2005*

You can help us provide the best possible information to the public by completing this form and returning it to the Industry Analysis and Technology Division of the FCC's Wireline Competition Bureau.

1. Please check the category that best describes you:

- press
- current telecommunications carrier
- potential telecommunications carrier
- business customer evaluating vendors/service options
- consultant, law firm, lobbyist
- other business customer
- academic/student
- residential customer
- FCC employee
- other federal government employee
- state or local government employee
- Other (please specify)

2. Please rate the report: Excellent Good Satisfactory Poor No opinion

- | | | | | | |
|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Data accuracy | (<input type="checkbox"/>) |
| Data presentation | (<input type="checkbox"/>) |
| Timeliness of data | (<input type="checkbox"/>) |
| Completeness of data | (<input type="checkbox"/>) |
| Text clarity | (<input type="checkbox"/>) |
| Completeness of text | (<input type="checkbox"/>) |

3. Overall, how do you rate this report? Excellent Good Satisfactory Poor No opinion

() () () () ()

4. How can this report be improved?

5. May we contact you to discuss possible improvements?

Name:

Telephone #:

To discuss the information in this report, contact: 202-418-0940 or for users of TTY equipment, call 202-418-0484		
Fax this response to	or	Mail this response to
202-418-0520		FCC/WCB/IATD Mail Stop 1600 F Washington, DC 20554